J.D.
6-9-81
9:15

CBC lower lake

fecal coliform - 130

FS/FC Ratio .27

Pea Ridge Creek

fecal 2,000

FS/FC ratio 2.10

CBC upper lake influent

fecal coliform 720

FS/FC ratio 4.17

CBC upper lake effluent

fecal 32

FS/FC .72

CITY OF SPRINGFIELD
INTER-OFFICE MEMORANDUM

ATTENTION OF Memo to file

DATE September 1, 1977

DEPARTMENT

Re: Surcharging M.H. discharging to the creek at Central Bible College.

At approximately 8:30 a.m. this office was notified of sewage in the creek at C.B.C. Gene Pabst & Steve Short went to that location and found that a manhole had been surcharging for five days. Sewer maintenance crew Unit 52, rodded the sanitary sewer line and found rocks in the line. HTH was used to disinfect the creek. A fire hydrant was opened to help flush out the creek bed. Approximately 7,500 gallons of water were used.

SIGNED Gene Pabst
Gene Pabst

3000 N. GRANT

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

JUL 1 1982

Plant CBC INFLUENT TO UPPER POND SIC _____ Date 6/22 Time _____

Sampling point _____ Method _____

Set up by _____ Removed by _____ Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5				
2			Total SS				
3			pH			7.08	
4			Organic Carbon			6	
5			Total Carbon			76	
6			C.O.D.			6	
7			$O\text{-}PO_4\text{-}P$				
8			TP				
9			$NH_3\text{-}N$				
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15			FECAL COLI			123	
16			TOTAL COLIFORM			1246	
17			FC/FS			0.65	
18						(BIRD)	
19							
20							
21							
22							
23							
24							

PW099

3000 NORTH GRANT ROAD

JUN 2 2 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant CBC UPPER LAKE EFFLUENT SIC _____ Date 6-4-81 Time _____

Sampling point _____ Method GRAB

Set up by LYMAN, STORY Removed by _____ Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			$O\text{-}PO_4\text{-}P$				
8			TP				
9			$NH_3\text{-}N$				
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15			FC/FS			0.72	
16			FECAL COLI			32	
17							
18							
19							
20							
21							
22							
23							
24							

PW099

GRANT
3000 NORTHAM ROAD

JUN 22 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant CBC UPPER LAKE INFLUENT SIC _____ Date 6-4-81 Time _____

Sampling point _____ Method GRAB

Set up by LYMAN & SHORT Removed by _____ Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			$O\text{-}PO_4\text{-}P$				
8			TP				
9			$NH_3\text{-}N$				
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15			FS : FC			4.17	
16			FECAL COLI			720	
17							
18							
19							
20							
21							
22							
23							
24							

PW099

GRANT
3000 NORTON ~~Road~~

JUN 2 2 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant PEA RIDGE CREEK @ CBC SIC _____ Date 6-4-81 Time _____

Sampling point _____ Method GRAB

Set up by LYMAN SHORT Removed by _____ Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			$O\text{-}PO_4\text{-}P$				
8			TP				
9			$NH_3\text{-}N$				
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15			fs : fc			2.10	
16			FECAL COLI			2000	
17							
18							
19							
20							
21							
22							
23							
24							

PW099

GRANT
3000 NORTON Road

JUN 2 2 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant CRC LOWER LAKE SIC _____ Date 6-4-81 Time _____

Sampling point _____ Method GRAB

Set up by LYMAN, SHORT Removed by _____ Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			$O\text{-}PO_4\text{-}P$				
8			TP				
9			$NH_3\text{-}N$				
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15			fs : fc		0.27		
16			FECAL COLI		130		
17							
18							
19							
20							
21							
22							
23							
24							

PW099

GRANT
3000 NORTON BOOTHED

JUL 21 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant CBC West Spring SIC _____ Date 7-10-81 Time 2:00

Sampling point _____ Method Grab

Set up by _____ Removed by Carson Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5 L			<1	
2			Total SS L			6	
3			pH L			7.42	
4			Organic Carbon L			N.A.	
5			Total Carbon L			N.A.	
6			C.O.D.			8	
7			$O\text{-}PO_4\text{-}P$ L			<0.1	
8			TP				
9			$NH_3\text{-}N$ L			<0.1	
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15		FC/FS →	~~Fs/Fc~~ water	7/12	JC	8/35 = 0.23	
16			D.O. - 5.8				
17			Temp - 18°C				
18			Cond - 550				
19			FECAL COLI			8	
20							
21							
22							
23							
24							

PW099

GRANT

3000 NORTON

JUL 21 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant CBC Bent Spring SIC _____ Date 7-10-81 Time 1:30

Sampling point Spring Method Grab

Set up by _____ Removed by Carson Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5			<1	
2			Total SS			4	
3			pH			8.19	
4			Organic Carbon			N.A.	
5			Total Carbon			N.A.	
6			C.O.D.			4	
7			$O\text{-}PO_4\text{-}P$			<0.1	
8			TP				
9			$NH_3\text{-}N$			<0.1	
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15							
16		FC/FS →	~~FS/FC~~ FC ratio	7/12	OC	95/223=.43	
17			Temp 19°C				
18			D.O. 6.8				
19			Cond 510				
20			FECAL COLI			95	
21							
22							
23							
24							

PW099

3000 NORTON ~~ROAD~~ GRANT

JUL 21 1981

INDUSTRIAL WASTE
MONITORING AND ANALYSES REPORT

Plant CBC Upper Lake SIC _____ Date 7-10-81 Time 1:50

Sampling point _____ Method Grab

Set up by _____ Removed by Carson Time _____

Flow _____ Meter Start _____ Meter Ending _____

Seal _____ Entered in billing file _____ by _____

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD_5			3.0	
2			Total SS			30	
3			pH			8.15	
4			Organic Carbon			NA	
5			Total Carbon			NA	
6			C.O.D.			16	
7			$O\text{-}PO_4\text{-}P$			<0.1	
8			TP				
9			$NH_3\text{-}N$			<0.1	
10			TKN				
11			Phenol				
12			Oil & Grease				
13			Nitrate				
14			Nitrite				
15		FC/FS →	~~FS/FC~~ ratio	7/12	JC	64/171 = 0.39	
16			DO. - 8.0				
17			Temp 31°C				
18			Cond - 600				
19			FECAL COLI			66	
20							
21							
22							
23							
24							

PW099

GRANT
3000 NORTH Road

CITY OF SPRINGFIELD, MISSOU
DEPARTMENT OF PUBLIC HEALTH AND WELFARE
GENERAL SANITATION SECTION

SEP 3 0 1982

Date September 27, 1982

Time ____ A.M., 2:00 P.M.

Lab. No. _____

Sealed (X) Unsealed ( )
Official (X) Unofficial ( )

(Fill in this space if illness occurred)

No. persons ill _____ Symptoms _____

Time of ingestion _____
Time of onset of symptoms _____

Sample submitted by:

Name Karen Chandler

Address 1216 WEst Nichols, Missouri

Sample of CBC Spring Perishable ( ) Non-perishable ( )

Condition of sample on arrival : Satisfactory ( ) Unsatisfactory ( ) Iced ( )

Name of Manufacturer _____
(If not same as above)

Address _____, Missouri

Reason for analysis Test for flourescin dye (yellow-green)

TESTS TO BE RUN:

Chemical & Physical - - - Common Poisons ( ), Federal Standards ( ), Insects (Eggs & Larvae) ( ), Insect fragments ( ), Sulphites ( ), Preservatives ( ) Starches or cerals ( ), Filth ( ), Other ( ), Dye

Bacteriological - - - - -
Total Count ( ), Coliform ( ), Other _____

Sample received by

LABORATORY RESULTS & CONCLUSIONS: Analyst _____ Date 9-28-82

No color after 24 hours extraction

(Use back for additional information)

3000 N. GRANT